

# A Flight-like Prototype of the Ocean Radiometer for Carbon Assessment (ORCA)

Completed Technology Project (2011 - 2014)



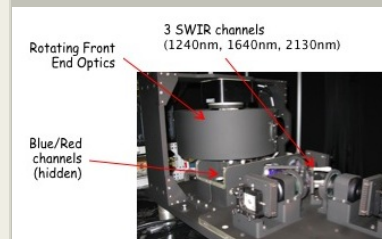
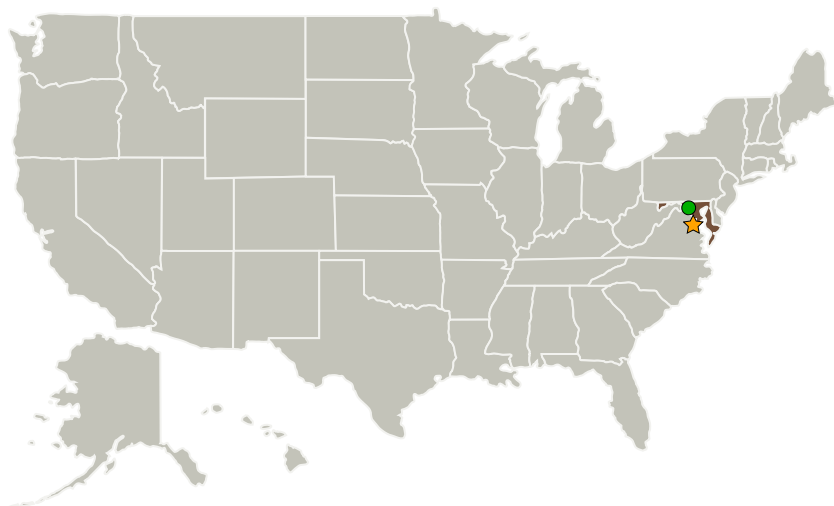
## Project Introduction

N/A

## Anticipated Benefits

N/A

## Primary U.S. Work Locations and Key Partners



Project Image A Flight-like Prototype of the Ocean Radiometer for Carbon Assessment (ORCA)

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Organizations Performing Work	Role	Type	Location
★ NASA Headquarters(HQ)	Lead Organization	NASA Center	Washington, District of Columbia
● Goddard Space Flight Center(GSFC)	Supporting Organization	NASA Center	Greenbelt, Maryland

## Primary U.S. Work Locations

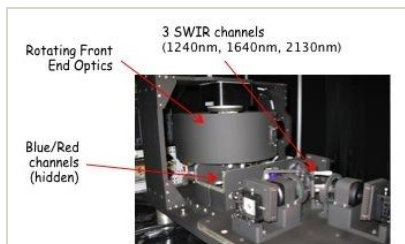
Maryland

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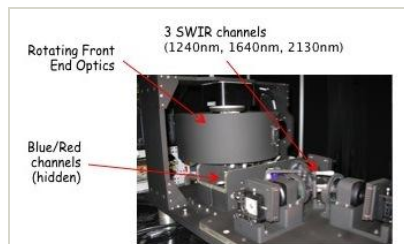


## Images



**10943-1357227974672.jpg**

Project Image A Flight-like Prototype of the Ocean Radiometer for Carbon Assessment (ORCA) (<https://techport.nasa.gov/image/1487>)



**10943-1359484225788.jpg**

Project Image A Flight-like Prototype of the Ocean Radiometer for Carbon Assessment (ORCA) (<https://techport.nasa.gov/image/1544>)

## Organizational Responsibility

### Responsible Mission Directorate:

Science Mission Directorate (SMD)

### Lead Center / Facility:

NASA Headquarters (HQ)

### Responsible Program:

Earth Science

## Project Management

### Program Director:

George J Komar

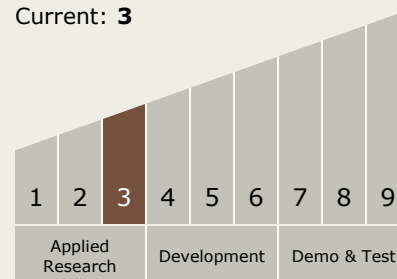
### Principal Investigator:

Gerhard Meister

## Technology Maturity (TRL)

Start: 3

Current: 3



## Technology Areas

### Primary:

*Continued on following page.*

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## Technology Areas (cont.)

- TX08 Sensors and Instruments
  - └ TX08.1 Remote Sensing Instruments/Sensors
    - └ TX08.1.5 Lasers

## Target Destination

Earth